

DERWENT ABSTRACT FOR: **JP 04-028739** (Mitsubishi), published 31 Jan 1992:

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ACCESSION NUMBER: 1992-085006 [11] WPINDEX

DOC. NO. CPI C1992-039266

TITLE: Thermoplastic resin compsn. prepn. - by blending polyolefin resin, polyphenylene ether resin and polymer having alkenyl aromatic and aliphatic hydrocarbon polymer chain.

DERWENT CLASS A12 A17 A25

PATENT ASSIGNEE(S): (MITF) MITSUBISHI PETROCHEMICAL CO LTD; (TOYT) TOYOTA JILOSHA KK

COUNTRY COUNT 1

PATENT INFORMATION:

| PATENT NO | KIND | DATE | WEEK | LA | PG |
|-------------|------|--------------------|------|----|-----|
| JP 04028739 | A | 19920131 (199211)* | | 11 | <-- |

APPLICATION DETAILS:

| PATENT NO | KIND | APPLICATION | DATE |
|-------------|------|----------------|----------|
| JP 04028739 | A | JP 1990-133749 | 19900525 |

PRIORITY APPLN. INFO: JP 1990-133749 19900525

AN 1992-085006 [11] WPINDEX

AB JP 04028739 A UPAB: 19931006

Compsn is prepd. by blending component (B) and 20% or more of component (C) to obtain a compsn. (I), and then blending (I) with component (A) and the remaining (C). (A) is polyolefin resin 30-78 wt.%, (B) is polyphenylene-ether resin 20-63 wt.% and (C) is 2-50 wt.% polymer having both alkenyl aromatic cpd. polymer chain (C1) and aliphatic hydrocarbon polymer chain (C2) per molecule and dynamic shearing modulus at 23 deg.C of 3×10^8 dyne/cm² or higher.

(A) is isostatic polypropylene. (C) is partially hydrogenated alkenyl cpd.-conjugated diene block copolymer such as hydrogenated styrene-butadiene triblock copolymer.

ADVANTAGE - Compsn. has good mechanical properties, esp. a good balance between impact strength and rigidity.

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